

* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 16:29:02 ON 23 FEB 2011

=> fil .bec

COST IN U.S. DOLLARS

SINCE FILE TOTAL

ENTRY SESSION

FULL ESTIMATED COST

0.23 0.23

FILES 'MEDLINE, SCISEARCH, LIFESCI, BIOTECHDS, BIOSIS, EMBASE, HCAPLUS, NTIS,
ESBIOBASE, BIOTECHNO, WPIDS' ENTERED AT 16:29:40 ON 23 FEB 2011

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11 FILES IN THE FILE LIST

=> s (photoprotein# or aequorin or obelin or mnemiopsin or phiallidin or mitrocomin
or halistaurin or clytin) (15a) (muta? or variant#)

FILE 'MEDLINE'

498 PHOTOPROTEIN#

1599 AEQUORIN

88 OBELIN

6 MNEMIOPSIN

0 PHIALLIDIN

3 MITROCOMIN

3 HALISTAURIN

8 CLYTIN

710976 MUTA?

166415 VARIANT#

L1 51 (PHOTOPROTEIN# OR AEQUORIN OR OBELIN OR MNEMIOPSIN OR PHIALLIDIN
OR MITROCOMIN OR HALISTAURIN OR CLYTIN) (15A) (MUTA? OR VARIANT#)

FILE 'SCISEARCH'

529 PHOTOPROTEIN#

1554 AEQUORIN

105 OBELIN

6 MNEMIOPSIN

0 PHIALLIDIN

3 MITROCOMIN

1 HALISTAURIN

9 CLYTIN

707302 MUTA?

195929 VARIANT#

L2 63 (PHOTOPROTEIN# OR AEQUORIN OR OBELIN OR MNEMIOPSIN OR PHIALLIDIN
OR MITROCOMIN OR HALISTAURIN OR CLYTIN) (15A) (MUTA? OR VARIANT#)

FILE 'LIFESCI'

228 PHOTOPROTEIN#

595 AEQUORIN

30 OBELIN

1 MNEMIOPSIN

0 PHIALLIDIN

2 MITROCOMIN

1 HALISTAURIN

5 CLYTIN

345234 MUTA?

68042 VARIANT#

L3 28 (PHOTOPROTEIN# OR AEQUORIN OR OBELIN OR MNEMIOPSIN OR PHIALLIDIN
OR MITROCOMIN OR HALISTAURIN OR CLYTIN) (15A) (MUTA? OR VARIANT#)

FILE 'BIOTECHDS'

77 PHOTOPROTEIN#

```

147 AEQUORIN
24 OBELIN
6 MNEMIOPSIN
0 PHIALLIDIN
3 MITROCOMIN
0 HALISTAURIN
12 CLYTIN
55191 MUTA?
20535 VARIANT#
L4      21 (PHOTOPROTEIN# OR AEQUORIN OR OBELIN OR MNEMIOPSIN OR PHIALLIDIN
        OR MITROCOMIN OR HALISTAURIN OR CLYTIN) (15A) (MUTA? OR VARIANT#)

```

FILE 'BIOSIS'

```

618 PHOTOPROTEIN#
1868 AEQUORIN
124 OBELIN
5 MNEMIOPSIN
0 PHIALLIDIN
4 MITROCOMIN
2 HALISTAURIN
10 CLYTIN
773511 MUTA?
170053 VARIANT#
L5      68 (PHOTOPROTEIN# OR AEQUORIN OR OBELIN OR MNEMIOPSIN OR PHIALLIDIN
        OR MITROCOMIN OR HALISTAURIN OR CLYTIN) (15A) (MUTA? OR VARIANT#)

```

FILE 'EMBASE'

```

3188 PHOTOPROTEIN#
1866 AEQUORIN
101 OBELIN
6 MNEMIOPSIN
0 PHIALLIDIN
3 MITROCOMIN
3 HALISTAURIN
8 CLYTIN
780990 MUTA?
194878 VARIANT#
L6      53 (PHOTOPROTEIN# OR AEQUORIN OR OBELIN OR MNEMIOPSIN OR PHIALLIDIN
        OR MITROCOMIN OR HALISTAURIN OR CLYTIN) (15A) (MUTA? OR VARIANT#)

```

FILE 'HCAPLUS'

```

821 PHOTOPROTEIN#
1705 AEQUORIN
151 OBELIN
13 MNEMIOPSIN
0 PHIALLIDIN
14 MITROCOMIN
4 HALISTAURIN
28 CLYTIN
729258 MUTA?
167151 VARIANT#
L7      103 (PHOTOPROTEIN# OR AEQUORIN OR OBELIN OR MNEMIOPSIN OR PHIALLIDIN
        OR MITROCOMIN OR HALISTAURIN OR CLYTIN) (15A) (MUTA? OR VARIANT#)

```

FILE 'NTIS'

```

16 PHOTOPROTEIN#
21 AEQUORIN
2 OBELIN
0 MNEMIOPSIN
0 PHIALLIDIN
0 MITROCOMIN
0 HALISTAURIN

```

```

        0 CLYTIN
    11230 MUTA?
    5291 VARIANT#
L8      3 (PHOTOPROTEIN# OR AEQUORIN OR OBELIN OR MNEMIOPSIN OR PHIALLIDIN
        OR MITROCOMIN OR HALISTAURIN OR CLYTIN) (15A) (MUTA? OR VARIANT#)

```

FILE 'ESBIOBASE'

```

    187 PHOTOPROTEIN#
    626 AEQUORIN
    35 OBELIN
    0 MNEMIOPSIN
    0 PHIALLIDIN
    1 MITROCOMIN
    0 HALISTAURIN
    4 CLYTIN
    393312 MUTA?
    79530 VARIANT#
L9      44 (PHOTOPROTEIN# OR AEQUORIN OR OBELIN OR MNEMIOPSIN OR PHIALLIDIN
        OR MITROCOMIN OR HALISTAURIN OR CLYTIN) (15A) (MUTA? OR VARIANT#)

```

FILE 'BIOTECHNO'

```

    260 PHOTOPROTEIN#
    416 AEQUORIN
    27 OBELIN
    0 MNEMIOPSIN
    0 PHIALLIDIN
    1 MITROCOMIN
    1 HALISTAURIN
    2 CLYTIN
    242571 MUTA?
    41198 VARIANT#
L10     20 (PHOTOPROTEIN# OR AEQUORIN OR OBELIN OR MNEMIOPSIN OR PHIALLIDIN
        OR MITROCOMIN OR HALISTAURIN OR CLYTIN) (15A) (MUTA? OR VARIANT#)

```

FILE 'WPIDS'

```

    131 PHOTOPROTEIN#
    266 AEQUORIN
    49 OBELIN
    19 MNEMIOPSIN
    0 PHIALLIDIN
    17 MITROCOMIN
    4 HALISTAURIN
    28 CLYTIN
    46102 MUTA?
    41289 VARIANT#
L11     30 (PHOTOPROTEIN# OR AEQUORIN OR OBELIN OR MNEMIOPSIN OR PHIALLIDIN
        OR MITROCOMIN OR HALISTAURIN OR CLYTIN) (15A) (MUTA? OR VARIANT#)

```

TOTAL FOR ALL FILES

```

L12     484 (PHOTOPROTEIN# OR AEQUORIN OR OBELIN OR MNEMIOPSIN OR PHIALLIDIN
        OR MITROCOMIN OR HALISTAURIN OR CLYTIN) (15A) (MUTA? OR VARIANT#)

```

=> s (phiallidin or clytin) and (muta? or variant#)

FILE 'MEDLINE'

```

    0 PHIALLIDIN
    8 CLYTIN
    710976 MUTA?
    166415 VARIANT#
L13     1 (PHIALLIDIN OR CLYTIN) AND (MUTA? OR VARIANT#)

```

FILE 'SCISEARCH'

0 PHIALLIDIN
9 CLYTIN
707302 MUTA?
195929 VARIANT#
L14 1 (PHIALLIDIN OR CLYTIN) AND (MUTA? OR VARIANT#)

FILE 'LIFESCI'
0 PHIALLIDIN
5 CLYTIN
345234 MUTA?
68042 VARIANT#
L15 0 (PHIALLIDIN OR CLYTIN) AND (MUTA? OR VARIANT#)

FILE 'BIOTECHDS'
0 PHIALLIDIN
12 CLYTIN
55191 MUTA?
20535 VARIANT#
L16 7 (PHIALLIDIN OR CLYTIN) AND (MUTA? OR VARIANT#)

FILE 'BIOSIS'
0 PHIALLIDIN
10 CLYTIN
773511 MUTA?
170053 VARIANT#
L17 0 (PHIALLIDIN OR CLYTIN) AND (MUTA? OR VARIANT#)

FILE 'EMBASE'
0 PHIALLIDIN
8 CLYTIN
780990 MUTA?
194878 VARIANT#
L18 1 (PHIALLIDIN OR CLYTIN) AND (MUTA? OR VARIANT#)

FILE 'HCAPLUS'
0 PHIALLIDIN
28 CLYTIN
729258 MUTA?
167151 VARIANT#
L19 9 (PHIALLIDIN OR CLYTIN) AND (MUTA? OR VARIANT#)

FILE 'NTIS'
0 PHIALLIDIN
0 CLYTIN
11230 MUTA?
5291 VARIANT#
L20 0 (PHIALLIDIN OR CLYTIN) AND (MUTA? OR VARIANT#)

FILE 'ESBIOBASE'
0 PHIALLIDIN
4 CLYTIN
393312 MUTA?
79530 VARIANT#
L21 2 (PHIALLIDIN OR CLYTIN) AND (MUTA? OR VARIANT#)

FILE 'BIOTECHNO'
0 PHIALLIDIN
2 CLYTIN
242571 MUTA?
41198 VARIANT#
L22 0 (PHIALLIDIN OR CLYTIN) AND (MUTA? OR VARIANT#)

```
FILE 'WPIDS'
      0 PHIALLIDIN
      28 CLYTIN
      46102 MUTA?
      41289 VARIANT#
L23      13 (PHIALLIDIN OR CLYTIN) AND (MUTA? OR VARIANT#)
```

```
TOTAL FOR ALL FILES
L24      34 (PHIALLIDIN OR CLYTIN) AND (MUTA? OR VARIANT#)
```

```
=> s (l12 or l24) not 2007-2011/py
FILE 'MEDLINE'
      3064622 2007-2011/PY
L25      36 (L1 OR L13) NOT 2007-2011/PY
```

```
FILE 'SCISEARCH'
      5525650 2007-2011/PY
      (20070000-20119999/PY)
L26      44 (L2 OR L14) NOT 2007-2011/PY
```

```
FILE 'LIFESCI'
      967544 2007-2011/PY
L27      21 (L3 OR L15) NOT 2007-2011/PY
```

```
FILE 'BIOTECHDS'
      62653 2007-2011/PY
L28      18 (L4 OR L16) NOT 2007-2011/PY
```

```
FILE 'BIOSIS'
      2459712 2007-2011/PY
L29      47 (L5 OR L17) NOT 2007-2011/PY
```

```
FILE 'EMBASE'
      3442010 2007-2011/PY
L30      37 (L6 OR L18) NOT 2007-2011/PY
```

```
FILE 'HCAPLUS'
      6611359 2007-2011/PY
L31      60 (L7 OR L19) NOT 2007-2011/PY
```

```
FILE 'NTIS'
      67829 2007-2011/PY
L32      3 (L8 OR L20) NOT 2007-2011/PY
```

```
FILE 'ESBIOBASE'
      1458468 2007-2011/PY
L33      32 (L9 OR L21) NOT 2007-2011/PY
```

```
FILE 'BIOTECHNO'
      0 2007-2011/PY
L34      20 (L10 OR L22) NOT 2007-2011/PY
```

```
FILE 'WPIDS'
      6288163 2007-2011/PY
L35      7 (L11 OR L23) NOT 2007-2011/PY
```

```
TOTAL FOR ALL FILES
L36      325 (L12 OR L24) NOT 2007-2011/PY
```

```
=> dup rem l36
PROCESSING COMPLETED FOR L36
L37      105 DUP REM L36 (220 DUPLICATES REMOVED)
```

=> d tot

L37 ANSWER 1 OF 105 BIOTECHDS COPYRIGHT 2011 THOMSON REUTERS on STN
TI New photoprotein aequorin Y89F, its functional equivalents and
corresponding nucleic acids, useful as labels or reporters, especially in
pharmacological research and diagnostic applications;
DNA and RNA vector-mediated gene transfer and expression in host cell
for use as a diagnostic, in pharmacological and pharmaceutical
industries, for calcium concentration detection, drug screening and
high throughput screening
AU GOLZ S; VYSOTSKI E; MARKOVA S; STEPANYUK G; BURAKOVA L; FRANK L
AN 2006-08904 BIOTECHDS
PI WO 2006010454 2 Feb 2006

L37 ANSWER 2 OF 105 BIOTECHDS COPYRIGHT 2011 THOMSON REUTERS on STN
TI Photoprotein useful as an intracellular calcium indicator, is
obtained by mutagenesis of clytin, is able to bind
coelenterazine and calcium, and displays enhanced bioluminescence;
recombinant photoprotein for intracellular calcium indicator,
cell-based high throughput screening assay, intracellular calcium
concentration modulating compound screening and diagnosis composition
AU MASTROIANNI N; CAINARCA S; CORAZZA S
AN 2006-24828 BIOTECHDS
PI WO 2006094805 14 Sep 2006

L37 ANSWER 3 OF 105 BIOTECHDS COPYRIGHT 2011 THOMSON REUTERS on STN
TI Novel cell comprising endogenous promiscuous G-proteins and exogenous
nucleic acid encoding G-protein coupled receptor (GPCR), useful for
identifying agent that modulates activity of GPCR;
a recombinant G-protein coupled receptor expressed in a Chinese
hamster ovary cell useful for the identification of an agonist or
antagonist
AU HSU M
AN 2006-13695 BIOTECHDS
PI WO 2006050214 11 May 2006

L37 ANSWER 4 OF 105 BIOTECHDS COPYRIGHT 2011 THOMSON REUTERS on STN
TI New nucleic acid encoding variant of aequorin, useful
e.g. as reporter gene and as dye, has much longer luminescent lifetime
than the parent protein, also new encoded proteins;
recombinant photoprotein production via plasmid expression in host
cell for use in marker and pollutant quantification
AN 2007-01755 BIOTECHDS
PI DE 102005022146 23 Nov 2006

L37 ANSWER 5 OF 105 HCAPLUS COPYRIGHT 2011 ACS on STN
TI Genetically engineered luminescent proteins in biosensing
SO Proceedings of SPIE-The International Society for Optical Engineering
(2006), 6098, 60980H/1-60980H/9
CODEN: PSISDG; ISSN: 0277-786X
AU Rowe, Laura; Ensor, Mark; Scott, Daniel; Deo, Sapna; Daunert, Sylvia
AN 2006:293863 HCAPLUS
DN 145:287941

L37 ANSWER 6 OF 105 MEDLINE on STN DUPLICATE 2
TI Calcium dependence of aequorin bioluminescence dissected by
random mutagenesis.
SO Proceedings of the National Academy of Sciences of the United States of
America, (2006 Jun 20) Vol. 103, No. 25, pp. 9500-5. Electronic
Publication: 2006-06-12.

Journal code: 7505876. ISSN: 0027-8424. L-ISSN: 0027-8424.

Report No.: NLM-PMC1480436.

AU Tricoire Ludovic; Tsuzuki Keisuke; Courjean Olivier; Gibelin Nathalie;
Bourout Gaelle; Rossier Jean; Lambolez Bertrand
AN 2006373143 MEDLINE

L37 ANSWER 7 OF 105 MEDLINE on STN DUPLICATE 3
TI Crystal structure of obelin after Ca²⁺-triggered bioluminescence suggests
neutral coelenteramide as the primary excited state.
SO Proceedings of the National Academy of Sciences of the United States of
America, (2006 Feb 21) Vol. 103, No. 8, pp. 2570-5. Electronic
Publication: 2006-02-08.

Journal code: 7505876. ISSN: 0027-8424. L-ISSN: 0027-8424.

Report No.: NLM-PMC1413834.

AU Liu Zhi-Jie; Stepanyuk Galina A; Vysotski Eugene S; Lee John; Markova
Svetlana V; Malikova Natalia P; Wang Bi-Cheng
AN 2006245287 MEDLINE

L37 ANSWER 8 OF 105 SCISEARCH COPYRIGHT (c) 2011 The Thomson Corporation on
STN DUPLICATE 4

TI Presenilin mutations linked to familial Alzheimer's disease reduce
endoplasmic reticulum and Golgi apparatus calcium levels

SO CELL CALCIUM, (JUN 2006) Vol. 39, No. 6, pp. 539-550.
ISSN: 0143-4160.

AU Pizzo P (Reprint); Zatti G; Burgo A; Giacomello M; Barbiero L; Ghidoni R;
Sinigaglia G; Florean C; Bagnoli S; Binetti G; Sorbi S; Fasolato C
AN 2006:638192 SCISEARCH

L37 ANSWER 9 OF 105 SCISEARCH COPYRIGHT (c) 2011 The Thomson Corporation on
STN DUPLICATE 5

TI Calcium dependence of aequorin bioluminescence dissected by
random mutagenesis

SO LUMINESCENCE, (SEP-OCT 2006) Vol. 21, No. 5, pp. 280-281.
ISSN: 1522-7235.

AU Lambolez, B. (Reprint); Tricoire, L.; Tsuzuki, K.
AN 2007:63333 SCISEARCH

L37 ANSWER 10 OF 105 MEDLINE on STN DUPLICATE 6

TI Photoprotein aequorin as a novel reporter for SNP
genotyping by primer extension-application to the variants of
mannose-binding lectin gene.

SO Human mutation, (2006 Mar) Vol. 27, No. 3, pp. 279-85.
Journal code: 9215429. E-ISSN: 1098-1004. L-ISSN: 1059-7794.

AU Zerefos Panayotis G; Ioannou Penelope C; Traeger-Synodinos Joanne;
Dimissianos Gerasimos; Kanavakis Emmanuel; Christopoulos Theodore K
AN 2006090326 MEDLINE

L37 ANSWER 11 OF 105 SCISEARCH COPYRIGHT (c) 2011 The Thomson Corporation
on STN DUPLICATE 7

TI Obelin mutants with altered colour of light emission
as labels for dual-wavelength immunoassay

SO LUMINESCENCE, (SEP-OCT 2006) Vol. 21, No. 5, pp. 271-271.
ISSN: 1522-7235.

AU Borisova, V. V. (Reprint); Frank, L. A.; Malikova, N. P.; Stepanyuk, G.
A.; Markova, S. V.; Lee, J.; Vysotski, E. S.
AN 2007:63300 SCISEARCH

L37 ANSWER 12 OF 105 HCAPLUS COPYRIGHT 2011 ACS on STN

TI Luminescent proteins in binding assays

SO Photoproteins in Bioanalysis (2006), 155-178. Editor(s): Daunert, Sylvia;
Deo, Sapna K. Publisher: Wiley-VCH Verlag GmbH & Co. KGaA, Weinheim,
Germany.

CODEN: 69IPFP; ISBN: 978-3-527-31016-6

AU Roda, Aldo; Guardigli, Massimo; Michelini, Elisa; Mirasoli, Mara; Pasini, Patrizia
AN 2006:1159037 HCAPLUS
DN 146:223628

L37 ANSWER 13 OF 105 BIOTECHDS COPYRIGHT 2011 THOMSON REUTERS on STN
TI Monitoring the expression level of a gene comprises transforming a cell expressing a regulatory biomolecule with a nucleic acid molecule encoding an interaction partner of the biomolecule;
gene expression level monitoring via vector expression in host cell
AU HILLEN W; BERENS C; KLOTZSCHE M
AN 2005-26651 BIOTECHDS
PI EP 1580273 28 Sep 2005

L37 ANSWER 14 OF 105 BIOTECHDS COPYRIGHT 2011 THOMSON REUTERS on STN
TI Monitoring the expression level of a gene in a host cell by modulating a regulatory biomolecule activity by transforming a cell expressing a regulatory biomolecule with a nucleic acid and assessing the expression level of the gene;
for use in gene expression monitoring
AU HILLEN W; KLOTZSCHE M; BERENS C
AN 2005-28936 BIOTECHDS
PI WO 2005093075 6 Oct 2005

L37 ANSWER 15 OF 105 BIOTECHDS COPYRIGHT 2011 THOMSON REUTERS on STN
TI Detecting dynamics of calcium ion in biological system, optically, involves monitoring photons emitted by recombinant calcium-sensitive polypeptide having chemiluminescent protein linked to fluorescent protein, present in system;
transgenic animal model construction production via plasmid expression in host cell for use in disease diagnosis and calcium ion detection
AU BRULET P; ROGERS K; PICAUD S
AN 2005-25434 BIOTECHDS
PI WO 2005078445 25 Aug 2005

L37 ANSWER 16 OF 105 BIOTECHDS COPYRIGHT 2011 THOMSON REUTERS on STN
TI New isolated nucleic acid encoding aequorin or obelin mutant protein capable of binding coelenterazine and molecular oxygen, and emitting light, useful for multianalyte microanalysis, and for identifying inhibitors of HIV-1 protease;
mutant protein molecule isolation for use in microanalysis and virus enzyme-inhibitor identification
AU DAUNERT S; DEO S K; DIKICI E; ROWE L
AN 2005-29507 BIOTECHDS
PI US 20050214776 29 Sep 2005

L37 ANSWER 17 OF 105 BIOTECHDS COPYRIGHT 2011 THOMSON REUTERS on STN
TI New nucleic acid encoding photoproteins from Clytia gregaria, useful as marker and reporter genes, particularly in screening for pharmaceuticals,;
recombinant protein production via plasmid expression in host cell for use in marker and reporter gene
AU GOLZ S; MARKOVA S; BURAKOVA L; FRANK L; VYSOTSKI E
AN 2005-15281 BIOTECHDS
PI DE 10342670 21 Apr 2005

L37 ANSWER 18 OF 105 MEDLINE on STN DUPLICATE 9
TI Thermostable mutants of the photoprotein aequorin obtained by in vitro evolution.
SO The Journal of biological chemistry, (2005 Oct 7) Vol. 280, No. 40, pp. 34324-31. Electronic Publication: 2005-06-22.

Journal code: 2985121R. ISSN: 0021-9258. L-ISSN: 0021-9258.

AU Tsuzuki Keisuke; Tricoire Ludovic; Courjean Olivier; Gibelin Nathalie;
Rossier Jean; Lambolez Bertrand
AN 2005531200 MEDLINE

L37 ANSWER 19 OF 105 MEDLINE on STN DUPLICATE 10
TI Transient receptor potential-like channels are essential for calcium
signaling and fluid transport in a *Drosophila* epithelium.
SO Genetics, (2005 Mar) Vol. 169, No. 3, pp. 1541-52. Electronic
Publication: 2005-02-03.
Journal code: 0374636. ISSN: 0016-6731. L-ISSN: 0016-6731.
Report No.: NLM-PMC1449567.

AU MacPherson Matthew R; Pollock Valerie P; Kean Laura; Southall Tony D;
Giannakou Maria E; Broderick Kate E; Dow Julian A T; Hardie Roger C;
Davies Shireen A
AN 2005162895 MEDLINE

L37 ANSWER 20 OF 105 MEDLINE on STN DUPLICATE 11
TI Bioluminescence resonance energy transfer from aequorin to a fluorophore:
an artificial jellyfish for applications in multianalyte detection.
SO Analytical and bioanalytical chemistry, (2005 Apr) Vol. 381, No. 7, pp.
1387-94. Electronic Publication: 2005-02-25.
Journal code: 101134327. ISSN: 1618-2642.

AU Deo Sapna K; Mirasoli Mara; Daunert Sylvia
AN 2005186632 MEDLINE

L37 ANSWER 21 OF 105 LIFESCI COPYRIGHT 2011 CSA on STN DUPLICATE 12
TI Interchange of aequorin and obelin bioluminescence color is determined by
substitution of one active site residue of each photoprotein
SO FEBS Letters [FEBS Lett.], (20050200) vol. 579, no. 5, pp. 1008-1014.
ISSN: 0014-5793.
AU Stepanyuk, Galina A; Golz, Stefan; Markova, Svetlana V; Frank, Ludmila A;
Lee, John; Vysotski, Eugene S
AN 2007:220464 LIFESCI

L37 ANSWER 22 OF 105 MEDLINE on STN DUPLICATE 13
TI Motilin and erythromycin-A share a common binding site in the third
transmembrane segment of the motilin receptor.
SO Biochemical pharmacology, (2005 Sep 15) Vol. 70, No. 6, pp. 879-87.
Journal code: 0101032. ISSN: 0006-2952. L-ISSN: 0006-2952.
AU Xu Luo; Depoortere Inge; Vertongen Pascale; Waelbroeck Magali; Robberecht
Patrick; Peeters Theo L
AN 2005431805 MEDLINE

L37 ANSWER 23 OF 105 Elsevier Biobase COPYRIGHT 2011 Elsevier Science B.V.
on STN

AN 2005115792 ESBIODBASE

TI Suppression of Pdx-1 perturbs proinsulin processing, insulin secretion
and GLP-1 signalling in INS-1 cells

AU Wang, H.; Iezzi, M.; Theander, S.; Antinozzi, P.A.; Gauthier, B.R.;
Wollheim, C.B.; Halban, P.A.

CS Wang, H.; Iezzi, M.; Theander, S.; Antinozzi, P.A.; Gauthier, B.R.;
Wollheim, C.B. (Dept. of Cell Physiol. and Metab., University Medical
Center, 1211 Geneva 4 (CH)); Halban, P.A. (Dept. of Med. Genet. and
Development, University Medical Center, Geneva (CH))
EMAIL: Haiyan.Wang@medicine.unige.ch

SO Diabetologia (Apr 2005) Volume 48, Number 4, pp. 720-731, 71 refs.
CODEN: DBTGAJ ISSN: 0012-186X
DOI: 10.1007/s00125-005-1692-8

CY Germany

DT Journal; Article

LA English

SL English
ED Entered STN: 3 Feb 2009
Last updated on STN: 3 Feb 2009

L37 ANSWER 24 OF 105 MEDLINE on STN DUPLICATE 14
TI Effect of inactivating mutations on phosphorylation and internalization of the human VPAC2 receptor.
SO Journal of molecular endocrinology, (2005 Apr) Vol. 34, No. 2, pp. 405-14. Journal code: 8902617. ISSN: 0952-5041. L-ISSN: 0952-5041.
AU Langer Ingrid; Langlet Christelle; Robberecht Patrick
AN 2005187883 MEDLINE

L37 ANSWER 25 OF 105 HCAPLUS COPYRIGHT 2011 ACS on STN
TI Spectral tuning of the bioluminescent photoprotein Aequorin
SO Abstracts of Papers, 229th ACS National Meeting, San Diego, CA, United States, March 13-17, 2005 (2005), ANYL-179 Publisher: American Chemical Society, Washington, D. C. CODEN: 69GQMP
AU Rowe, Laura; Dikici, Emre; Logue, Courtney; Scott, Daniel; Deo, Sapna; Daunert, Sylvia
AN 2005:185996 HCAPLUS

L37 ANSWER 26 OF 105 SCISEARCH COPYRIGHT (c) 2011 The Thomson Corporation on STN DUPLICATE 15
TI Pharmacological investigation of the Arg(344)His variant of the human 5-HT3A receptor by radioligand-binding and aequorin-based calcium-influx measurement
SO NAUNYN-SCHMIEDEBERGS ARCHIVES OF PHARMACOLOGY, (FEB 2005) Vol. 371, Supp. [1], pp. R30-R30. MA 120. ISSN: 0028-1298.
AU Combrink S (Reprint); Kostanian A; Barann M; Bonisch H; Gothert M; Bruss M
AN 2005:751948 SCISEARCH

L37 ANSWER 27 OF 105 LIFESCI COPYRIGHT 2011 CSA on STN
TI Transient Receptor Potential-Like Channels Are Essential for Calcium Signaling and Fluid Transport in a Drosophila Epithelium
SO Genetics, (20050300) vol. 169, no. 3, [np]. ISSN: 0016-6731.
AU MacPherson, Matthew R.; Pollock, Valerie P.; Kean, Laura; Southall, Tony D.; Giannakou, Maria E.; Broderick, Kate E.; Dow, Julian A. T.; Hardie, Roger C.; Davies, Shireen A.
AN 2007:146194 LIFESCI

L37 ANSWER 28 OF 105 MEDLINE on STN DUPLICATE 16
TI Self-reporting Arabidopsis expressing pH and [Ca2+] indicators unveil ion dynamics in the cytoplasm and in the apoplast under abiotic stress.
SO Plant physiology, (2004 Mar) Vol. 134, No. 3, pp. 898-908. Journal code: 0401224. ISSN: 0032-0889. L-ISSN: 0032-0889. Report No.: NLM-PMC389913.
AU Gao Dongjie; Knight Marc R; Trewavas Anthony J; Sattelmacher Burkhard; Plieth Christoph
AN 2004129591 MEDLINE

L37 ANSWER 29 OF 105 MEDLINE on STN DUPLICATE 17
TI [Analysis of the Ca2+ response of mycelial fungi to external effects by the recombinant aequorin method]. Analiz Ca2+-otveta mitselial'nykh gribov na vneshnie vozdeistviia s ispol'zovaniem rekombinantnogo ekvorina.
SO Mikrobiologiya, (2004 Nov-Dec) Vol. 73, No. 6, pp. 734-40. Journal code: 0376652. ISSN: 0026-3656. L-ISSN: 0026-3656.
AU Kozlova O V; Egorov S Iu; Kupriianova-Ashina F G; Read N; El'-Registan G I
AN 2005060482 MEDLINE

L37 ANSWER 30 OF 105 SCISEARCH COPYRIGHT (c) 2011 The Thomson Corporation
on STN DUPLICATE 18
TI Analysis of the Ca²⁺ response of mycelial fungi to external effects by the
recombinant aequorin method
SO MICROBIOLOGY, (NOV-DEC 2004) Vol. 73, No. 6, pp. 629-634.
ISSN: 0026-2617.
AU Kozlova O V (Reprint); Egorov S Y; Kupriyanova-Ashina F G; Rid N;
El'-Registan G I
AN 2005:71326 SCISEARCH

L37 ANSWER 31 OF 105 MEDLINE on STN DUPLICATE 19
TI Preparation and X-ray crystallographic analysis of the Ca²⁺-discharged
photoprotein obelin.
SO Acta crystallographica. Section D, Biological crystallography, (2004 Mar)
Vol. 60, No. Pt 3, pp. 512-4. Electronic Publication: 2004-02-25.
Journal code: 9305878. ISSN: 0907-4449. L-ISSN: 0907-4449.
AU Deng Lu; Markova Svetlana V; Vysotski Eugene S; Liu Zhi-Jie; Lee John;
Rose John; Wang Bi-Cheng
AN 2004102833 MEDLINE

L37 ANSWER 32 OF 105 BIOSIS COPYRIGHT (c) 2011 The Thomson Corporation on
STN
TI Structure-based spectral tuning of photoprotein bioluminescence.
SO Luminescence (Chichester), (May 2004) Vol. 19, No. 3, pp. 185. print.
Meeting Info.: 13th International Symposium on Bioluminescence and
Chemiluminescence. Yokohama, Japan. August 02-06, 2004.
ISSN: 1522-7235 (ISSN print).
AU Vysotski, E. S.; Stepanyuk, G. A.; Markova, S. V.; Malikova, N. P.; Frank,
L. A.; Lee, J.
AN 2005:27543 BIOSIS

L37 ANSWER 33 OF 105 BIOTECHDS COPYRIGHT 2011 THOMSON REUTERS on STN
TI New mutated photoproteins derived from jellyfish
photoproteins have increased thermostability or increased
luminescence time and are useful as bioluminescent markers, e.g., to
detect pathogens;
vector-mediated gene transfer and expression in Escherichia coli,
HEK-293 or CHO cell for HIV virus infection diagnosis
AU LAMBOLEZ B; GIBELIN N; BOUROUT G; TRICOIRE L E; COURJEAN O A; TSUZUKI K;
ROSSIER J
AN 2003-13579 BIOTECHDS
PI FR 2827292 17 Jan 2003

L37 ANSWER 34 OF 105 BIOTECHDS COPYRIGHT 2011 THOMSON REUTERS on STN
TI Novel recombinant calcium-binding photoprotein useful for producing
conjugates which in turn is useful as marker in immunoassay;
vector-mediated gene transfer and expression in host cell for
recombinant protein production and immunoassay marker
AU INOUE S
AN 2004-03144 BIOTECHDS
PI US 20030212259 13 Nov 2003

L37 ANSWER 35 OF 105 HCAPLUS COPYRIGHT 2011 ACS on STN
TI Engineering aequorin variants with improved
bioluminescence for high-throughput screening of calcium ion flux in cell
SO PCT Int. Appl., 46 pp.
CODEN: PIXXD2
AN 2003:796734 HCAPLUS
DN 139:287962

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI WO 2003082904 A2 20031009 WO 2003-US7979 20030314
 WO 2003082904 A3 20040311
 W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,
 CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,
 GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,
 LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH,
 PL, PT, RO, RU, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA,
 UG, UZ, VN, YU, ZA, ZM, ZW
 RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY,
 KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES,
 FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR,
 BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG
 AU 2003224694 A1 20031013 AU 2003-224694 20030314

L37 ANSWER 36 OF 105 HCAPLUS COPYRIGHT 2011 ACS on STN
 TI Mutant photoproteins with improved thermostability or
 luminescence lifetime, their production with recombinant cells, and their
 uses in bioassays
 SO PCT Int. Appl., 184 pp.
 CODEN: PIXXD2
 IN Lambolez, Bertrand; Gibelin, Nathalie; Bourout, Gaelle; Tricoire, Ludovic
 Eric; Courjean, Olivier Arsene; Tsuzuki, Keisuke; Rossier, Jean
 AN 2003:58119 HCAPLUS
 DN 138:119118

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2003006497	A2	20030123	WO 2002-FR2492	20020712
	WO 2003006497	A3	20040122		
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW				
	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
	FR 2827292	A1	20030117	FR 2001-9293	20010712
	FR 2827292	B1	20040618		
	CA 2455542	A1	20030123	CA 2002-2455542	20020712
	AU 2002333989	A1	20030129	AU 2002-333989	20020712
	EP 1404711	A2	20040407	EP 2002-784875	20020712
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, SK				
	US 20050130262	A1	20050616	US 2005-484380	20050131

L37 ANSWER 37 OF 105 MEDLINE on STN DUPLICATE 21
 TI A comparative functional analysis of plasma membrane Ca²⁺ pump isoforms in
 intact cells.
 SO The Journal of biological chemistry, (2003 Jul 4) Vol. 278, No. 27, pp.
 24500-8. Electronic Publication: 2003-04-25.
 Journal code: 2985121R. ISSN: 0021-9258. L-ISSN: 0021-9258.
 AU Brini Marisa; Coletto Luisa; Pierobon Nicola; Kraev Natasha; Guerini
 Danilo; Carafoli Ernesto
 AN 2003316372 MEDLINE

L37 ANSWER 38 OF 105 MEDLINE on STN DUPLICATE 22
 TI Phot1 and phot2 mediate blue light-induced transient increases in
 cytosolic Ca²⁺ differently in Arabidopsis leaves.
 SO Proceedings of the National Academy of Sciences of the United States of
 America, (2003 Jul 8) Vol. 100, No. 14, pp. 8583-8. Electronic

Publication: 2003-06-23.

Journal code: 7505876. ISSN: 0027-8424. L-ISSN: 0027-8424.

Report No.: NLM-PMC166272.

AU Harada Akiko; Sakai Tatsuya; Okada Kiyotaka

AN 2003340221 MEDLINE

L37 ANSWER 39 OF 105 MEDLINE on STN DUPLICATE 23

TI Violet bioluminescence and fast kinetics from W92F obelin: structure-based proposals for the bioluminescence triggering and the identification of the emitting species.

SO Biochemistry, (2003 May 27) Vol. 42, No. 20, pp. 6013-24.

Journal code: 0370623. ISSN: 0006-2960. L-ISSN: 0006-2960.

AU Vysotski Eugene S; Liu Zhi-Jie; Markova Svetlana V; Blinks John R; Deng Lu; Frank Ludmila A; Herko Michelle; Malikova Natalia P; Rose John P; Wang Bi-Cheng; Lee John

AN 2003281446 MEDLINE

L37 ANSWER 40 OF 105 MEDLINE on STN DUPLICATE 24

TI NorpA and itpr mutants reveal roles for phospholipase C and inositol (1,4,5)- trisphosphate receptor in Drosophila melanogaster renal function.

SO The Journal of experimental biology, (2003 Mar) Vol. 206, No. Pt 5, pp. 901-11.

Journal code: 0243705. ISSN: 0022-0949. L-ISSN: 0022-0949.

AU Pollock Valerie P; Radford Jonathan C; Pyne Susan; Hasan Gaiti; Dow Julian A T; Davies Shireen-A

AN 2003148219 MEDLINE

L37 ANSWER 41 OF 105 HCAPLUS COPYRIGHT 2011 ACS on STN

TI Multiple signalling pathways connect chemoattractant receptors and calcium channels in Dictyostelium

SO Journal of Muscle Research and Cell Motility (2003), Volume Date 2002, 23(7-8), 853-865

CODEN: JMRMD3; ISSN: 0142-4319

AU Nebl, Thomas; Kotsifas, Martha; Schaap, Pauline; Fisher, Paul R.

AN 2003:484864 HCAPLUS

DN 139:377678

L37 ANSWER 42 OF 105 MEDLINE on STN DUPLICATE 25

TI Spectral tuning of obelin bioluminescence by mutations of Trp92.

SO FEBS letters, (2003 Nov 6) Vol. 554, No. 1-2, pp. 184-8.

Journal code: 0155157. ISSN: 0014-5793. L-ISSN: 0014-5793.

AU Malikova Natalia P; Stepanyuk Galina A; Frank Ludmila A; Markova Svetlana V; Vysotski Eugene S; Lee John

AN 2003519362 MEDLINE

L37 ANSWER 43 OF 105 BIOSIS COPYRIGHT (c) 2011 The Thomson Corporation on STN

TI MOTILIN AND ERYTHROMYCIN-A SHARE A COMMON BINDING SITE IN THE THIRD TRANSMEMBRANE SEGMENT OF THE MOTILIN RECEPTOR. .

SO Digestive Disease Week Abstracts and Itinerary Planner, (2003) Vol. 2003, pp. Abstract No. S1010. e-file.

Meeting Info.: Digestive Disease 2003. FL, Orlando, USA. May 17-22, 2003. American Association for the Study of Liver Diseases; American Gastroenterological Association; American Society for Gastrointestinal Endoscopy; Society for Surgery of the Alimentary Tract.

AU Xu, Luo [Reprint Author]; Depoortere, Inge; Vertongen, Pascale; Thielemans, Leen; Perret, Jason; Waelbroeck, Magali; Robberecht, Patrick; Peeters, Theo

AN 2003:580756 BIOSIS

L37 ANSWER 44 OF 105 NTIS COPYRIGHT 2011 NTIS on STN

TI Crystal and Solution Structure of the Photoprotein Obelin. Final rept.
 12 Mar 1999-31 Dec 2002.
 NR ADA407919/XAB
 5p; 17 Oct 2002
 PD 17 Oct 2002
 AU Lee, J.
 AN 2003(07):00216 NTIS

L37 ANSWER 45 OF 105 BIOTECHDS COPYRIGHT 2011 THOMSON REUTERS on STN
 TI Identifying nucleic acid encoding divalent cation transporters comprises
 exposing host cell with mitochondrion having cation-sensitive indicator
 contacted with construct encoding transporter to cation and detecting
 signal;
 vector-mediated gene transfer and expression in yeast host cell for
 recombinant protein production
 AU PFEIFFER D R; MURPHY A N; JUNG D W; BRADSHAW P C
 AN 2002-08394 BIOTECHDS
 PI WO 2002002816 10 Jan 2002

L37 ANSWER 46 OF 105 MEDLINE on STN DUPLICATE 27
 TI A small sequence in the third intracellular loop of the VPAC(1) receptor
 is responsible for its efficient coupling to the calcium effector.
 SO Molecular endocrinology (Baltimore, Md.), (2002 May) Vol. 16, No. 5, pp.
 1089-96.
 Journal code: 8801431. ISSN: 0888-8809. L-ISSN: 0888-8809.
 AU Langer Ingrid; Vertongen Pascale; Perret Jason; Waelbroeck Magali;
 Robberecht Patrick
 AN 2002243478 MEDLINE

L37 ANSWER 47 OF 105 MEDLINE on STN DUPLICATE 28
 TI Multiple signalling pathways connect chemoattractant receptors and calcium
 channels in Dictyostelium.
 SO Journal of muscle research and cell motility, (2002) Vol. 23, No. 7-8, pp.
 853-65.
 Journal code: 8006298. ISSN: 0142-4319. L-ISSN: 0142-4319.
 AU Nebl Thomas; Kotsifas Martha; Schaap Pauline; Fisher Paul R
 AN 2003412654 MEDLINE

L37 ANSWER 48 OF 105 MEDLINE on STN DUPLICATE 29
 TI A small sequence in the third intracellular loop of the VPAC(1) receptor
 is responsible for its efficient coupling to the calcium effector.
 SO Biochemical Society transactions, (2002 Aug) Vol. 30, No. 4, pp. 447-50.
 Ref: 23
 Journal code: 7506897. ISSN: 0300-5127. L-ISSN: 0300-5127.
 AU Langer I; Vertongen P; Perret J; Waelbroeck M; Robberecht P
 AN 2002438613 MEDLINE

L37 ANSWER 49 OF 105 MEDLINE on STN DUPLICATE 30
 TI Cysteine-free mutant of aequorin as a photolabel in
 immunoassay development.
 SO Bioconjugate chemistry, (2002 Mar-Apr) Vol. 13, No. 2, pp. 269-75.
 Journal code: 9010319. ISSN: 1043-1802. L-ISSN: 1043-1802.
 AU Shrestha Suresh; Paeng Insook R; Deo Sapna K; Daunert Sylvia
 AN 2002174373 MEDLINE

L37 ANSWER 50 OF 105 MEDLINE on STN DUPLICATE 31
 TI Bioluminescence immunoassay for cortisol using recombinant aequorin as a
 label.
 SO Analytical biochemistry, (2002 Jul 15) Vol. 306, No. 2, pp. 204-11.
 Journal code: 0370535. ISSN: 0003-2697. L-ISSN: 0003-2697.
 AU Mirasoli Mara; Deo Sapna K; Lewis Jennifer C; Roda Aldo; Daunert Sylvia
 AN 2002399145 MEDLINE

L37 ANSWER 51 OF 105 BIOTECHDS COPYRIGHT 2011 THOMSON REUTERS on STN
 TI New fusion protein comprising a modified bioluminescent system with a
 fluorescent molecule covalently linked with a photoprotein, useful for
 monitoring calcium fluxes or for detecting electrical activity in a group
 of neural cells;
 plasmid pGIA-pG5A-mediated gene transfer and expression in host cell
 for recombinant mutant green fluorescent protein and
 aequorin fusion protein production
 AU BAUBET V; LE MOUELLIC H; BRULET P
 AN 2002-06722 BIOTECHDS
 PI WO 2001092300 6 Dec 2001

L37 ANSWER 52 OF 105 BIOTECHDS COPYRIGHT 2011 THOMSON REUTERS on STN
 TI New standard substance for the analysis and evaluation of luminescent
 substances including drugs and foods;
 vector-mediated gene transfer and expression in host cell for drug
 screening
 AN 2002-07884 BIOTECHDS
 PI JP 2001270899 2 Oct 2001

L37 ANSWER 53 OF 105 BIOTECHDS COPYRIGHT 2011 THOMSON REUTERS on STN
 TI Novel secretional luciferase derived from the deep sea luminescent shrimp
 Oplophorus gracilirostris consists of 19kDa and 35 kDa subunits and is
 useful as a reporter enzyme;
 vector-mediated reporter gene transfer, expression in host cell and
 antibody for recombinant protein production
 AU INOUE S
 AN 2002-07715 BIOTECHDS
 PI EP 1156103 21 Nov 2001

L37 ANSWER 54 OF 105 WPIDS COPYRIGHT 2011 THOMSON REUTERS on STN
 TI New transgenic animal with non-functional gene for melanocortin-4
 receptor, useful for identifying specific modulators, potentially used for
 treating obesity or diabetes
 PI WO 2001033956 A1 20010517 (200136)* EN 58[10]
 RW:AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
 W:CA JP US
 EP 1241934 A1 20020925 (200271) EN
 R:AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR
 JP 2003525596 T 20030902 (200358) JA 80
 IN CHEN A S; CHEN H Y; FEIGNER S D; FORREST M J; HRENIUK D; MACINTYRE D E;
 METZGER J M; PALYHA O C; VAN DER PLOEG L H; VAN DER PLOEG L H T

L37 ANSWER 55 OF 105 MEDLINE on STN DUPLICATE 32
 TI Bioluminescence immunoassay for thyroxine employing genetically engineered
 mutant aequorins containing unique cysteine residues.
 SO Analytical chemistry, (2001 Jul 15) Vol. 73, No. 14, pp. 3227-33.
 Journal code: 0370536. ISSN: 0003-2700. L-ISSN: 0003-2700.
 AU Lewis J C; Daunert S
 AN 2001428105 MEDLINE

L37 ANSWER 56 OF 105 MEDLINE on STN DUPLICATE 33
 TI An immunoassay for Leu-enkephalin based on a C-terminal aequorin-peptide
 fusion.
 SO Analytical chemistry, (2001 Apr 15) Vol. 73, No. 8, pp. 1903-8.
 Journal code: 0370536. ISSN: 0003-2700. L-ISSN: 0003-2700.
 AU Deo S K; Daunert S
 AN 2001355751 MEDLINE

L37 ANSWER 57 OF 105 MEDLINE on STN DUPLICATE 34
 TI Role of conservative residue Cys158 in the formation of an active

photoprotein complex of obelin.

SO Biochemistry. Biokhimiia, (2001 Sep) Vol. 66, No. 9, pp. 1014-8.
Journal code: 0376536. ISSN: 0006-2979. L-ISSN: 0006-2979.

AU Bondar V S; Purtov K V; Malikova N P; Frank L A; Illarionov B A
AN 2001649854 MEDLINE

L37 ANSWER 58 OF 105 LIFESCI COPYRIGHT 2011 CSA on STN DUPLICATE 35
TI A Putative Two Pore Channel AtTPC1 Mediates Ca super(2+) Flux in
Arabidopsis Leaf Cells
SO Plant & Cell Physiology [Plant Cell Physiol.], (20010900) vol. 42, no. 9,
pp. 900-905.
ISSN: 0032-0781.
AU Furuichi, T.; Cunningham, K.W.; Muto, S.*
AN 2002:112215 LIFESCI

L37 ANSWER 59 OF 105 MEDLINE on STN DUPLICATE 36
TI C-terminal and n-terminal fusions of aequorin with small peptides in
immunoassay development.
SO Bioconjugate chemistry, (2001 May-Jun) Vol. 12, No. 3, pp. 378-84.
Journal code: 9010319. ISSN: 1043-1802. L-ISSN: 1043-1802.
AU Deo S K; Lewis J C; Daunert S
AN 2002010555 MEDLINE

L37 ANSWER 60 OF 105 HCAPLUS COPYRIGHT 2011 ACS on STN
TI Development and application of a bioluminescent immunoassay using aequorin
as a label
SO Bioluminescence & Chemiluminescence, Proceedings of the International
Symposium, 11th, Pacific Grove, CA, United States, Sept. 6-10, 2000
(2001), Meeting Date 2000, 357-360. Editor(s): Case, James F. Publisher:
World Scientific Publishing Co. Pte. Ltd., Singapore, Singapore.
CODEN: 69CAFI
AU Mirasoli, M.; Deo, S.; Lewis, J. C.; Daunert, S.
AN 2001:843441 HCAPLUS
DN 136:161482

L37 ANSWER 61 OF 105 MEDLINE on STN DUPLICATE 37
TI Structural basis for the emission of violet bioluminescence from a W92F
obelin mutant.
SO FEBS letters, (2001 Oct 12) Vol. 506, No. 3, pp. 281-5.
Journal code: 0155157. ISSN: 0014-5793. L-ISSN: 0014-5793.
AU Deng L; Vysotski E S; Liu Z J; Markova S V; Malikova N P; Lee J; Rose J;
Wang B C
AN 2001555689 MEDLINE

L37 ANSWER 62 OF 105 HCAPLUS COPYRIGHT 2011 ACS on STN
TI Where does manganese bind when it triggers the luminescence of
calcium-regulated photoproteins?
SO Bioluminescence & Chemiluminescence, Proceedings of the International
Symposium, 11th, Pacific Grove, CA, United States, Sept. 6-10, 2000
(2001), Meeting Date 2000, 79-82. Editor(s): Case, James F. Publisher:
World Scientific Publishing Co. Pte. Ltd., Singapore, Singapore.
CODEN: 69CAFI
AU Illarionov, B. A.; Illarionova, V. A.; Bondar, V. S.; Vysotski, E. S.;
Blinks, John R.
AN 2001:843381 HCAPLUS
DN 136:146735

L37 ANSWER 63 OF 105 SCISEARCH COPYRIGHT (c) 2011 The Thomson Corporation
on STN
TI Cysteine-free mutant of aequorin: Application in the
development of bioluminescence-based immunoassay for digoxin.
SO ABSTRACTS OF PAPERS OF THE AMERICAN CHEMICAL SOCIETY, (1 APR 2001) Vol.

221, Part 1, pp. U74-U74. MA 36-ANYL.
ISSN: 0065-7727.

AU Shrestha S (Reprint); Paeng I R; Deo S K; Daunert S
AN 2001:634384 SCISEARCH

L37 ANSWER 64 OF 105 HCAPLUS COPYRIGHT 2011 ACS on STN
TI Targeting of bioluminescent probes and calcium measurements in different subcellular compartments
SO Calcium Signalling (2nd Edition) (2001), 59-75. Editor(s): Tepikin, Alexei V. Publisher: Oxford University Press, Oxford, UK.
CODEN: 69CMMR; ISBN: 0-19-963848-9
AU Magalhaes, Paulo J.; Pinton, Paolo; Filippin, Luisa; Pozzan, Tullio; Brini, Marisa; Chiesa, Anna; Rizzuto, Rosario
AN 2002:297817 HCAPLUS
DN 138:35450

L37 ANSWER 65 OF 105 HCAPLUS COPYRIGHT 2011 ACS on STN
TI Cysteine-free mutant of aequorin: Application in the development of bioluminescence-based immunoassay for digoxin
SO Abstracts of Papers, 221st ACS National Meeting, San Diego, CA, United States, April 1-5, 2001 (2001) ANYL-036
CODEN: 69FZD4
AU Shrestha, Suresh; Paeng, Insook R.; Deo, Sapna K.; Daunert, Sylvia
AN 2001:197122 HCAPLUS

L37 ANSWER 66 OF 105 BIOSIS COPYRIGHT (c) 2011 The Thomson Corporation on STN
TI Cysteine-free mutant of aequorin: Application in the development of bioluminescence-based immunoassay for digoxin.
SO Abstracts of Papers American Chemical Society, (2001) Vol. 221, No. 1-2, pp. ANYL 36. print.
Meeting Info.: 221st National Meeting of the American Chemical Society. San Diego, California, USA. April 01-05, 2001. American Chemical Society.
CODEN: ACSRAL. ISSN: 0065-7727.
AU Shrestha, Suresh [Reprint author]; Paeng, Insook R. [Reprint author]; Deo, Sapna K. [Reprint author]; Daunert, Sylvia [Reprint author]
AN 2001:271378 BIOSIS

L37 ANSWER 67 OF 105 MEDLINE on STN DUPLICATE 38
TI Systematic identification of mutations that constitutively activate the angiotensin II type 1A receptor by screening a randomly mutated cDNA library with an original pharmacological bioassay.
SO Proceedings of the National Academy of Sciences of the United States of America, (2000 Jun 20) Vol. 97, No. 13, pp. 7615-20.
Journal code: 7505876. ISSN: 0027-8424. L-ISSN: 0027-8424.
Report No.: NLM-PMC16594.
AU Parnot C; Bardin S; Miserey-Lenkei S; Guedin D; Corvol P; Clauser E
AN 2000319075 MEDLINE

L37 ANSWER 68 OF 105 MEDLINE on STN DUPLICATE 39
TI Site-specifically labeled photoprotein-thyroxine conjugates using aequorin mutants containing unique cysteine residues: applications for binding assays (Part II).
SO Bioconjugate chemistry, (2000 Mar-Apr) Vol. 11, No. 2, pp. 140-5.
Journal code: 9010319. ISSN: 1043-1802. L-ISSN: 1043-1802.
AU Lewis J C; Cullen L C; Daunert S
AN 2000191511 MEDLINE

L37 ANSWER 69 OF 105 MEDLINE on STN DUPLICATE 40
TI Bioluminescence detection of proteolytic bond cleavage by using recombinant aequorin.
SO Analytical biochemistry, (2000 May 15) Vol. 281, No. 1, pp. 87-94.

Journal code: 0370535. ISSN: 0003-2697. L-ISSN: 0003-2697.

AU Deo S K; Lewis J C; Daunert S
AN 2000399763 MEDLINE

L37 ANSWER 70 OF 105 MEDLINE on STN DUPLICATE 41
TI Bioluminescence and secondary structure properties of aequorin
mutants produced for site-specific conjugation and immobilization.
SO Bioconjugate chemistry, (2000 Jan-Feb) Vol. 11, No. 1, pp. 65-70.
Journal code: 9010319. ISSN: 1043-1802. L-ISSN: 1043-1802.
AU Lewis J C; Lopez-Moya J J; Daunert S
AN 2000105169 MEDLINE

L37 ANSWER 71 OF 105 MEDLINE on STN DUPLICATE 42
TI Secretagogues modulate the calcium concentration in the endoplasmic
reticulum of insulin-secreting cells. Studies in aequorin-expressing
intact and permeabilized ins-1 cells.
SO The Journal of biological chemistry, (1999 Apr 30) Vol. 274, No. 18, pp.
12583-92.
Journal code: 2985121R. ISSN: 0021-9258. L-ISSN: 0021-9258.
AU Maechler P; Kennedy E D; Sebo E; Valeva A; Pozzan T; Wollheim C B
AN 1999230280 MEDLINE

L37 ANSWER 72 OF 105 LIFESCI COPYRIGHT 2011 CSA on STN DUPLICATE 43
TI An assessment of the role of intracellular free Ca in E. coli
SO Biochimie, (19990800) vol. 81, no. 8-9, pp. 901-907.
ISSN: 0300-9084.
AU Holland, I Barry; Jones, Helen E; Campbell, Anthony K; Jacq, Annick
AN 2007:234116 LIFESCI

L37 ANSWER 73 OF 105 BIOSIS COPYRIGHT (c) 2011 The Thomson Corporation on
STN
TI Designing a bioluminescent probe for Pb2+ based on the Ca2+-binding
photoprotein, aequorin.
SO Journal of Inorganic Biochemistry, (April 30, 1999) Vol. 74, No. 1-4, pp.
293. print.
Meeting Info.: 9th International Conference on Biological Inorganic
Chemistry. Minneapolis, Minnesota, USA. July 11-16, 1999.
CODEN: JIBIDJ. ISSN: 0162-0134.
AU Sehgal, Bernd U. [Reprint author]; Reynolds, Anne M. [Reprint author];
Godwin, Hilary A. [Reprint author]
AN 1999:395942 BIOSIS

L37 ANSWER 74 OF 105 SCISEARCH COPYRIGHT (c) 2011 The Thomson Corporation
on STN
TI Intrinsic cardiac muscle function, calcium handling and beta-adrenergic
responsiveness is impaired in rats with growth hormone deficiency
SO GROWTH HORMONE & IGF RESEARCH, (AUG 1999) Vol. 9, No. 4, pp. 262-271.
ISSN: 1096-6374.
AU Stromer H (Reprint); Cittadini A; Grossman J D; Douglas P S; Morgan J P
AN 1999:801525 SCISEARCH

L37 ANSWER 75 OF 105 LIFESCI COPYRIGHT 2011 CSA on STN
TI Bioluminescence and Secondary Structure Properties of Aequorin
Mutants Produced for Site-Specific Conjugation and Immobilization
SO Bioconjugate Chemistry [Bioconj. Chem.], (19991215) vol. 11, no. 1, pp.
65-70.
ISSN: 1043-1802.
AU Lewis, J C; Lopez-Moya, J J; Daunert*, S
AN 2010:354028 LIFESCI

L37 ANSWER 76 OF 105 BIOSIS COPYRIGHT (c) 2011 The Thomson Corporation on
STN DUPLICATE 44

TI Establishment of a new cell line stably expressing aequorin in the
 endoplasmic reticulum.
 SO Jikeikai Medical Journal, (March, 1999) Vol. 46, No. 1, pp. 21-29. print.
 CODEN: JMEJAS. ISSN: 0021-6968.
 AU Onodera, Sawako [Reprint author]; Furusaka, Akihiro; Noiva, Robert;
 Nagayama, Kazuo
 AN 1999:415006 BIOSIS

L37 ANSWER 77 OF 105 BIOTECHDS COPYRIGHT 2011 THOMSON REUTERS on STN
 TI New mutant herpes virus strains for use as vaccines;
 protease gene inactivation by insertion of non-virus DNA, used in a
 recombinant vaccine
 AU Hippenmeyer P J; Rankin A M; Luckow V A
 AN 1998-04850 BIOTECHDS
 PI WO 9804286 5 Feb 1998

L37 ANSWER 78 OF 105 WPIDS COPYRIGHT 2011 THOMSON REUTERS on STN
 TI New reporter vector containing gene for photo-protein, especially green
 fluorescent protein - for use in one- or two-hybrid assay systems to
 detect interactions between poly:peptide(s) or poly:peptide(s) and nucleic
 acids
 PI WO 9846789 A1 19981022 (199848)* DE 30[1]
 RW:AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE
 W:JP US
 DE 19715683 A1 19981224 (199906) DE
 DE 19715683 C2 19991111 (199952) DE
 IN CORMACK R; SOMSSICH I

L37 ANSWER 79 OF 105 BIOSIS COPYRIGHT (c) 2011 The Thomson Corporation on
 STN
 TI Fluorescent properties of model chromophores of tyrosine-66 substituted
 mutants of Aequorea green fluorescent protein (GFP).
 SO Tetrahedron Letters, (July 16, 1998) Vol. 39, No. 29, pp. 5239-5242.
 print.
 CODEN: TELEAY. ISSN: 0040-4039.
 AU Kojima, Satoshi; Ohkawa, Hiroko; Hirano, Takashi; Maki, Shojiro; Niwa,
 Haruki [Reprint author]; Ohashi, Mamoru; Inouye, Satoshi; Tsuji, Frederick
 I.
 AN 1998:356774 BIOSIS

L37 ANSWER 80 OF 105 HCAPLUS COPYRIGHT 2011 ACS on STN
 TI Recombinant aequorin as a label in highly sensitive bioluminescence
 assays.
 SO Book of Abstracts, 216th ACS National Meeting, Boston, August 23-27
 (1998), I&EC-081 Publisher: American Chemical Society, Washington, D. C.
 CODEN: 66KYA2
 AU Lewis, Jennifer C.; Ramanathan, Sridhar; Feltus, Agatha; Daunert, Sylvia
 AN 1998:528790 HCAPLUS

L37 ANSWER 81 OF 105 SCISEARCH COPYRIGHT (c) 2011 The Thomson Corporation
 on STN
 TI Introduction of single cysteines into aequorin through
 site-directed mutagenesis for preparation of monosubstituted
 conjugates for immunoassays.
 SO ABSTRACTS OF PAPERS OF THE AMERICAN CHEMICAL SOCIETY, (2 APR 1998) Vol.
 215, Part 1, pp. U69-U69. MA 030-ANYL.
 ISSN: 0065-7727.
 AU Lewis J C (Reprint); Lopez-Moya J J; Daunert S
 AN 1998:198082 SCISEARCH

L37 ANSWER 82 OF 105 HCAPLUS COPYRIGHT 2011 ACS on STN
 TI Introduction of single cysteines into aequorin through

site-directed mutagenesis for preparation of monosubstituted conjugates for immunoassays.

SO Book of Abstracts, 215th ACS National Meeting, Dallas, March 29-April 2 (1998), ANYL-030 Publisher: American Chemical Society, Washington, D. C. CODEN: 65QTAA

AU Lewis, Jennifer C.; Lopez-Moya, Juan-Jose; Daunert, Sylvia

AN 1998:138572 HCAPLUS

L37 ANSWER 83 OF 105 BIOSIS COPYRIGHT (c) 2011 The Thomson Corporation on STN

TI Introduction of single cysteines into aequorin through site-directed mutagenesis for preparation of monosubstituted conjugates for immunoassays.

SO Abstracts of Papers American Chemical Society, (1998) Vol. 215, No. 1-2, pp. ANYL 30. print.

Meeting Info.: 215th American Chemical Society National Meeting. Dallas, Texas, USA. March 29-April 2, 1998. American Chemical Society. CODEN: ACSRAL. ISSN: 0065-7727.

AU Lewis, Jennifer C.; Lopez-Moya, Juan-Jose; Daunert, Sylvia

AN 1998:237843 BIOSIS

L37 ANSWER 84 OF 105 MEDLINE on STN DUPLICATE 45

TI Subcellular analysis of Ca²⁺ homeostasis in primary cultures of skeletal muscle myotubes.

SO Molecular biology of the cell, (1997 Jan) Vol. 8, No. 1, pp. 129-43. Journal code: 9201390. ISSN: 1059-1524. L-ISSN: 1059-1524. Report No.: NLM-PMC276065.

AU Brini M; De Giorgi F; Murgia M; Marsault R; Massimino M L; Cantini M; Rizzuto R; Pozzan T

AN 1997170072 MEDLINE

L37 ANSWER 85 OF 105 BIOSIS COPYRIGHT (c) 2011 The Thomson Corporation on STN

TI Modeling spatial structure of obelin, a hydroid calcium-activated photoprotein.

SO Molekulyarnaya Biologiya (Moscow), (1996) Vol. 30, No. 3, pp. 621-630. CODEN: MOBIBO. ISSN: 0026-8984.

AU Sandalova, T. P.

AN 1996:485590 BIOSIS

L37 ANSWER 86 OF 105 SCISEARCH COPYRIGHT (c) 2011 The Thomson Corporation on STN

TI Molecular processes in bioluminescence of the jellyfish *Aequorea victoria* - Mechanisms for generating an excited molecule in chemi- and bio-luminescent reactions

SO JOURNAL OF SYNTHETIC ORGANIC CHEMISTRY JAPAN, (JUL 1996) Vol. 54, No. 7, pp. 596-606. ISSN: 0037-9980.

AU Hirano T (Reprint); Ohashi M

AN 1996:572645 SCISEARCH

L37 ANSWER 87 OF 105 SCISEARCH COPYRIGHT (c) 2011 The Thomson Corporation on STN

TI Modeling of spatial structure of obelin, Ca²⁺-activated photoprotein from hydroid *Obelia longissima*

SO MOLECULAR BIOLOGY, (MAY-JUN 1996) Vol. 30, No. 3, Part 2, pp. 368-374. ISSN: 0026-8933.

AU Sandalova T P (Reprint); Sandalova T P (Reprint)

AN 1996:741365 SCISEARCH

L37 ANSWER 88 OF 105 HCAPLUS COPYRIGHT 2011 ACS on STN

TI A model of the 3D structure of Obelin - the photoprotein from *Obelia*

longissima
 SO Protein Folds: A Distance-Based Approach, [Symposium "Distance-Based Approaches to Protein Structure Determination"], 2nd, Copenhagen, Nov., 1994 (1996), Meeting Date 1994, 308-15. Editor(s): Bohr, Henrik; Brunak, Soeren. Publisher: CRC, Boca Raton, Fla.
 CODEN: 62BYAV
 AU Sandalova, Tatyana
 AN 1995:979341 HCAPLUS
 DN 124:48680
 OREF 124:9087a,9090a

L37 ANSWER 89 OF 105 HCAPLUS COPYRIGHT 2011 ACS on STN
 TI Preparation of apoaeguorin mutants having increased bioluminescent activity
 SO U.S., 29 pp.
 CODEN: USXXAM

IN Prasher, Douglas
 AN 1995:229435 HCAPLUS
 DN 122:48498
 OREF 122:9209a,9212a

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	----	-----	-----	-----
PI	US 5360728	A	19941101	US 1992-982650	19921201
	US 5541309	A	19960730	US 1994-331379	19941028

L37 ANSWER 90 OF 105 HCAPLUS COPYRIGHT 2011 ACS on STN
 TI Engineering aequorin as an intracellular calcium indicator in Escherichia coli and plants
 SO Bioluminescence and Chemiluminescence: Fundamentals and Applied Aspects, Proceedings of the International Symposium on Bioluminescence and Chemiluminescence, 8th, Cambridge, UK, Sept. 5-8, 1994 (1994), 528-531. Editor(s): Campbell, Andrew Keith; Kricka, Larry J.; Stanley, Philip E. Publisher: Wiley, Chichester, UK.
 CODEN: 62UZAR

AU Watkins, N. J.; Knight, M. R.; Trewavas, A. J.; Campbell, A. K.
 AN 1996:316435 HCAPLUS
 DN 125:52712
 OREF 125:10033a,10036a

L37 ANSWER 91 OF 105 MEDLINE on STN DUPLICATE 46
 TI Changes in free calcium in the endoplasmic reticulum of living cells detected using targeted aequorin.
 SO Analytical biochemistry, (1994 Aug 15) Vol. 221, No. 1, pp. 173-81. Journal code: 0370535. ISSN: 0003-2697. L-ISSN: 0003-2697.
 AU Kendall J M; Badminton M N; Dormer R L; Campbell A K
 AN 1995077100 MEDLINE

L37 ANSWER 92 OF 105 NTIS COPYRIGHT 2011 NTIS on STN
 TI Modified Aequorin Shows Increased Bioluminescence Activity. Final progress rept. 15 Mar 90-31 Jul 92.
 NR AD-A268 597/2/XAB
 10p; 18 Aug 1993
 PD 18 Aug 1993
 AU Prasher, D. C.
 AN 1993(22):03193 NTIS

L37 ANSWER 93 OF 105 NTIS COPYRIGHT 2011 NTIS on STN
 TI Modified Aequorin Shows Increased Bioluminescence Activity. Final rept. 15 Mar 90-31 Jul 92.
 NR AD-A268 774/7/XAB
 10p; 18 Aug 1993
 PD 18 Aug 1993

AU Prasher, D. C.
AN 1993(22):06750 NTIS

L37 ANSWER 94 OF 105 HCAPLUS COPYRIGHT 2011 ACS on STN
TI Bioluminescence activity of coelenterazine analogs after incorporation
into recombinant apoaequorin
SO Chemistry Letters (1993), (12), 2149-52
CODEN: CMLTAG; ISSN: 0366-7022
AU Ohmiya, Yoshihiro; Teranishi, Katsunori; Akutagawa, Masamoto; Ohashi,
Mamoru; Tsuji, Frederick I.
AN 1994:127975 HCAPLUS
DN 120:127975
OREF 120:22417a,22420a

L37 ANSWER 95 OF 105 MEDLINE on STN DUPLICATE 47
TI Bioluminescence of the Ca(2+)-binding photoprotein, aequorin, after
histidine modification.
SO FEBS letters, (1993 Apr 12) Vol. 320, No. 3, pp. 267-70.
Journal code: 0155157. ISSN: 0014-5793. L-ISSN: 0014-5793.
AU Ohmiya Y; Tsuji F I
AN 1993215848 MEDLINE

L37 ANSWER 96 OF 105 HCAPLUS COPYRIGHT 2011 ACS on STN
TI Bioluminescence of the calcium-binding photoprotein aequorin
SO International Congress Series (1993), 1021(Frontiers of Photobiology),
239-41
CODEN: EXMDA4; ISSN: 0531-5131
AU Tsuji, F. I.; Inouye, S.; Ohmiya, Y.; Ohashi, M.
AN 1993:533540 HCAPLUS
DN 119:133540
OREF 119:23821a,23824a

L37 ANSWER 97 OF 105 HCAPLUS COPYRIGHT 2011 ACS on STN
TI An evolutionary pathway for aequorin and coelenterazine bioluminescence
SO Bioluminescence and Chemiluminescence: Status Report, Proceedings of the
International Symposium on Bioluminescence and Chemiluminescence, 7th,
Banff, Alta., March 14-18, 1993 (1993), 64-68. Editor(s): Szalay, Aladar
A.; Kricka, Larry J.; Stanley, Philip E. Publisher: Wiley, Chichester, UK.
CODEN: 63MLAK
AU Watkins, N. J.; Herring, P. J.; Campbell, A. K.
AN 1996:651215 HCAPLUS
DN 125:295580
OREF 125:55155a,55158a

L37 ANSWER 98 OF 105 HCAPLUS COPYRIGHT 2011 ACS on STN
TI Engineering the calcium-activated photoprotein aequorin with reduced
affinity for calcium
SO Biochemical and Biophysical Research Communications (1992), 187(2), 1091-7
CODEN: BBRCA9; ISSN: 0006-291X
AU Kendall, Jonathan M.; Sala-Newby, Graciela; Ghalaut, Veena; Dormer, Robert
L.; Campbell, Anthony K.
AN 1992:586912 HCAPLUS
DN 117:186912
OREF 117:32137a,32140a

L37 ANSWER 99 OF 105 HCAPLUS COPYRIGHT 2011 ACS on STN
TI Engineering aequorin to measure calcium in defined compartments of living
cells
SO Biochemical Society Transactions (1992), 20(2), 144S
CODEN: BCSTB5; ISSN: 0300-5127
AU Kendall, Jonathan M.; Sala-Newby, Graciela; Ghalaut, Veena; Dormer, Robert
L.; Campbell, Anthony K.

AN 1993:208743 HCAPLUS
DN 118:208743
OREF 118:35837a,35840a

L37 ANSWER 100 OF 105 LIFESCI COPYRIGHT 2011 CSA on STN
TI Variant aequorin genes and process for producing
variant aequorin proteins.
SO (1992) . US Cl. 435/69.1; Int. Cl. C12P 21/02, 19/34, C12N 15/00, 76/00,
1/20..
AU Inouye, S.; Kurose, K.
AN 93:117 LIFESCI

L37 ANSWER 101 OF 105 HCAPLUS COPYRIGHT 2011 ACS on STN
TI Aequorin manufacture and secretion and its use for preparation of fused
protein
SO Jpn. Kokai Tokkyo Koho, 22 pp.
CODEN: JKXXAF
IN Yoshino, Shuhei; Inoe, Satoshi
AN 1991:552517 HCAPLUS
DN 115:152517
OREF 115:25971a,25974a

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	----	-----	-----	-----
PI	JP 03143391	A	19910618	JP 1989-279528	19891026
	US 5288623	A	19940222	US 1992-912582	19920713

L37 ANSWER 102 OF 105 MEDLINE on STN DUPLICATE 48
TI A C-terminal proline is required for bioluminescence of the Ca(2+)-binding
photoprotein, aequorin.
SO FEBS letters, (1991 Dec 16) Vol. 295, No. 1-3, pp. 63-6.
Journal code: 0155157. ISSN: 0014-5793. L-ISSN: 0014-5793.
AU Nomura M; Inouye S; Ohmiya Y; Tsuji F I
AN 1992111761 MEDLINE

L37 ANSWER 103 OF 105 BIOTECHDS COPYRIGHT 2011 THOMSON REUTERS on STN
TI Variants of aequorin gene;
prepared by site-specific mutagenesis process; expression in
Escherichia coli
AN 1988-07624 BIOTECHDS
PI EP 264819 27 Apr 1988

L37 ANSWER 104 OF 105 MEDLINE on STN DUPLICATE 50
TI Site-specific mutagenesis of the calcium-binding
photoprotein aequorin.
SO Proceedings of the National Academy of Sciences of the United States of
America, (1986 Nov) Vol. 83, No. 21, pp. 8107-11.
Journal code: 7505876. ISSN: 0027-8424. L-ISSN: 0027-8424.
AU Tsuji F I; Inouye S; Goto T; Sakaki Y
AN 2010629391 MEDLINE

L37 ANSWER 105 OF 105 BIOSIS COPYRIGHT (c) 2011 The Thomson Corporation on
STN
TI PCR-based in vitro mutagenesis of the photoprotein
aequorin.
SO Neuroscience Research Supplement, (2002 (2003)) No. 26, pp. S136. print.
Meeting Info.: 25th Annual Meeting of the Japan Neuroscience Society.
Tokyo, Japan. July 07-09, 2002. Japan Neuroscience Society.
ISSN: 0921-8696 (ISSN print).
AU Tsuzuki, Keisuke [Reprint Author]; Tricoire, Ludovic; Nathalie, Giblin;
Rossier, Jaen; Ozawa, Seiji [Reprint Author]; Lambolez, Bertrand
AN 2003:246811 BIOSIS

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